

Title (en)

UNIVERSAL RADIO ARCHITECTURE FOR LOW-TIER PERSONAL COMMUNICATION SYSTEM

Title (de)

UNIVERSELLE FUNKARCHITEKTUR FÜR EIN EINFACHES PERSÖNLICHES KOMMUNIKATIONSSYSTEM

Title (fr)

ARCHITECTURE RADIO UNIVERSELLE POUR SYSTEME PERSONNEL DE TELECOMMUNICATIONS DE BAS ETAGE

Publication

EP 0795232 A1 19970917 (EN)

Application

EP 95937692 A 19951030

Priority

- US 9514119 W 19951030
- US 34835994 A 19941130

Abstract (en)

[origin: WO9617431A1] An integrated circuit chip set in a radio communication system is provided, wherein the modulation of the signals is either QPSK or FSK and the signal transmission and reception is by either TDD or FDD. The chip set includes an IF integrated circuit chip (20) for converting the digital input signal (17) into an analog input signal (1) and providing the input signal at an intermediate frequency, and for down-converting a received signal at the intermediate frequency and providing an output signal thereof; an RF integrated circuit chip for up-converting the input signal provided by the IF chip (18) to a transmission frequency, for down-converting a received signal provided at the reception frequency to the intermediate frequency. Each of the IF chip and RF chip includes switches and terminals for enabling the processing of QPSK-modulated signals or FSK-modulated signals and of TDD- or FDD-transmitted and received signals, respectively.

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IPC 8 full level

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